

5-13-02  
#6 1754  
TRANSMITTAL LETTER

In re Application of:  
Stamires, Dennis, et al.

Serial No.: 10/066,079  
Filing Date: January 31, 2002

For: QUASI-CRYSTALLINE CARBOXYLATES



Docket: ACH2850US

Examiner:

Group Art Unit: 1754

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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Assistant Commissioner for Patents  
Washington, DC 20231

on 5/8/02

*Angelique Anderson*  
Angelique Anderson

Sir:

☒ Transmitted herewith is a responsive document(s) for this application.  
TRANSMITTAL LETTER IN DUPLICATE; INFORMATION DISCLOSURE  
STATEMENT; PTO-1449 FORM(20) DOCUMENTS; RETURN RECEIPT POST CARD  
and CERTIFICATE OF MAILING.

☐ Applicant hereby petitions for an extension of time under 37 CFR 1.136 of:

☐ One Month (\$110.00)

☐ Two Months (\$400.00)

☐ Three Months (\$920.00)

☐ Four Months (\$1440.00)

The total fee believed due is \$ 0.00 . Please charge this amount and any other fees which may be due (including filing fees under 37 CFR 1.16 and processing fees under 37 CFR 1.17) to Deposit Account No. 01-1350. If an extension of time is required but has not been requested above, Applicant hereby petitions for an extension of time sufficient for the attached document(s) to be timely. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

*Louis A. Morris*  
Louis A. Morris  
Attorney for Applicants  
Reg. No.: 28,100

Akzo Nobel Inc.  
Intellectual Property Dept.  
7 Livingstone Avenue  
Dobbs Ferry, New York 10522-3408  
(312) 906-7769  
Enclosures



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*Angelique Anderson*  
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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the requirements of 37 CFR §1.56, applicants submit the documents attached hereto to be made of record in the above-identified case. A listing of said documents on form PTO-1449 is also attached.

The present Information Disclosure Statement is being filed within three months of the filing date; therefore, no filing fee is believed to be required. If a filing fee is required, the Commissioner is hereby authorized to charge applicants' deposit account 01-1350 for the full amount of said fee.

Concerning Journal Reference Helv. Chim. Acta, 25, (in German) is directed to double hydroxides with two and three-valence metals such as magnesium-aluminum hydroxide, magnesium-iron (III) hydroxide, magnesium-mangan(III) hydroxide, cobalt(II)-iron(III) hydroxide, zinc-aluminum hydroxide, Mangan(II)-aluminum hydroxide, their X-ray diffraction patterns and lattice dimensions. This publication merely serves as background information on double hydroxides such as in anionic clays.

This Statement is not intended to represent that no better art exists. Applicants reserve the right to contest the applicability of the documents attached hereto as prior art in the event that any information is discovered which demonstrates that said documents do not qualify as prior art.

Consideration of the present Information Disclosure Statement is respectfully requested. The claimed invention is, however, deemed to represent a patentable departure from the teachings of the prior art.

Respectfully submitted,



Louis A. Morris  
Attorney for Applicant(s)  
Registration No.: 28,100

Akzo Nobel Inc.  
Intellectual Property Dept.  
7 Livingstone Avenue  
Dobbs Ferry, NY 10522-3408  
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INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

PTO-1449 (modified)

Atty. Docket #

ACH2850US

Serial No.

10/066,079

Applicant

Stamires, Dennis, et al.

Filing Date

January 31, 2002

Group Art Unit

1754

U.S. PATENT DOCUMENTS

| Init | Document No. | Issue Date | Name              | Class | Subclass | Filing Date |
|------|--------------|------------|-------------------|-------|----------|-------------|
|      | 4,946,581    | 8/90       | Van Broekhoven    | 208   | 120      |             |
|      | 4,952,382    | 8/90       | Van Broekhoven    | 423   | 244      |             |
|      | 5,108,979    | 4/92       | Magnabosco et al. | 502   | 304      |             |
|      | 5,142,077    | 8/92       | Martin et al.     | 554   | 76       |             |
|      | 6,171,991 B1 | 1/01       | Stamires et al.   | 501   | 141      |             |

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FOREIGN PATENT DOCUMENTS

|  | Document No. | Publ. Date | Country | Class | Subclass | Translation |    |
|--|--------------|------------|---------|-------|----------|-------------|----|
|  |              |            |         |       |          | Yes         | No |
|  | 0 573 610 B1 | 12/93      | EPO     | B01J  | 21/04    |             |    |
|  | 96/23611     | 8/96       | PCT     | B22D  | 1/01     |             |    |
|  | 96/29282     | 9/96       | PCT     | C01B  | 31/30    |             |    |
|  | 99/41196     | 8/99       | PCT     | C01F  | 7/00     |             |    |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

|  |  |
|--|--|
|  | <i>Catalysis Today</i> ,; Hydrotalcite-Type Anionic Clays: Preparation, Properties, and Applications. 11 (1991) pgs. 173-301; Cavani et al.  |
|  | Anionic Clays: Trends in Pillaring Chemistry, Synthesis in Microporous Solids; 2 (1992) pgs. 108-169; Roy et al.   |
|  | Helv. Chim. Acta, 25, (1942) pgs. 106-137; Von Feitknecht.   |
|  | Helv. Chim. Acta, 25, (1942) pgs. 555-569; Von Feitknecht.   |
|  | <i>Journal of American Ceramic Society</i> ; Studies on $4\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 13\text{H}_2\text{O}$ and the Related Natural Mineral Hydrocalumite. (1959) Vol. 42 No.3; pgs. 121- 126; Buttler et al. |
|  | <i>Chemistry Letters</i> ; Synthesis of New Hydrotalcite-Like Compounds and Their Physico-Chemical Properties. Miyata et al.; pgs. 843-848 (1973)  |
|  | <i>Clays and Clay Minerals</i> ; The Syntheses of Hydrotalcite-Like Compounds and Their Structures and Physico-Chemical Properties-I: The Systems...; Miyata et al. Vol. 23 (1975) pgs. 369-375                                |
|  | <i>Clays and Clay Minerals</i> ; Physico-Chemical Properties of Synthetic Hydrotalcites in Relation to Composition. Miyata et al.; Vol. 28, No. 1, (1980) pgs. 50-56   |
|  | <i>Clays and Clay Minerals</i> ; Syntheses of Disordered and Al-Rich Hydrotalcite-Like Compounds. Pausch et al.; Vol 34 No. 5; (1986) pgs. 507-510   |
|  | <i>Materials Chemistry and Physics</i> , Textural Properties of Hydrotalcite-Like Compounds... Ulbarri et al. Vol. 14 (1986) pgs. 569-579  |
|  | European Search Report, for EP 01 20 0833, dated: 07/09/01   |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.